Electrodynamic Modelling as Scientific Research lethod of Power Engineering Problems

30-58-4-2/44

high-voltage switch-board, where the wanted scheme is assembled. The common scheme contains a model for the transmission of d.c. which was developed and constructed by the Laboratory of the Leningrad Institute for Power Engineering of the AS USSR. The control of all model elements as well as the measuring and registering of all the processes is carried out in the control room (fig.4) where there are also the automation apperatus. The preparation of an electrodynamic model for the solution of a special task is composed of two parts: first the model elements are adjusted after the given parameters and characteristics or, respectively their variation-range, second the complicated system is formed of the single components. The method of the electrodynamic mould allows to find solutions for any part of the complicated system. These solutions are registered by oscillographic recording (fig. 5). Complicated energetic problems can best be solved by the use of modelling and the modern mathematical technique together. The latter is used at the Institute for Electrical Engineering of the AS Ukrainian SSR, at the Laboratory for Control-Apparatus and -Systems of the AS USSR, at the Leningrad Polytechnical Institute, and others.

- Oard 3/4

Kostenko, M.P.

. AUTHORS:

Alekseyev, A. Ye., Atabekov, G. I., 105-58-6-29/33 Bron, O. B., Gorodskiy, D. A., Kostenko, M. P., Kurenev, S. I., Neyman, L. R., Polivanov, K. M., Reyngol'dt, Yu. A., Romanovskiy, V. B.

TITLE:

Professor A.Ye. Kaplyanskiy (Professor A.Ye. Kaplyanskiy)

PERIODICAL:

Elektrichestvo, 1958, Nr 6,pp. 92-92 (USSR)

ABSTRACT:

On the occasion of his 60-th birthday. He was born on May 27, 1898. In 1925 Aleksandr Yevseyevich Kaplyanskiy, Doctor of Technical Sciences, Professor of the Leningrad Military-Air-Engineering Academy graduated from the Leningrad Institute for Electrical Engineering with a gold medal, then he worked in the factory "Krasnaya nit' " and later, until 1932, in the factory "Elektrosila". He planned and constructed the new system for the electric supply of the factory and a number of test stations, among them stations for asynchronous motors and turbogenerators up to 100 MW. In 1925 he began his pedagogical activity in the field of theoretical electrical engineering at the Leningrad Institute for Electrical Engineering. Later he also taught at the Institute for Electrical Engineering for Telecommunication En-

Card 1/2

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000825210013-9

AUTHORS:

Mikhaylov, M. H., Kostenko, M. P. SOV/105-58-7-28/32

Neyman, L. R., Tareyev, B. M., Privezentsev, V. A., Zaytsev, I. A.,

Shramkov, Ye. G., Koritskiy, Yu. V.

TITLE:

Professor V.T.Renne (Professor V.T. Renne). To His 50th Birthday

(K 50-letiyu so dnya rozhdeniya)

PERIODICAL:

Elektrichestvo, 1958, Nr 7, pp. 92 - 92 (USSR)

ABSTRACT:

Vladimir Tikhonovich Renne was born on July 1st, 1908, in Kaluga. He graduated in 1930 from the Leningrad Polytechnical Institute and obtained the certificate of electrical engineer. Still a student, in 1928 he entered the telephone works "Krasnaya Zarya" and specialized in the field of electric technology. He organized a series of laboratories and directed them during several years. He worked out 15 types of paper-and mica condensers, thus industry being made independent of imports from abroad. He developed a series of cuprous oxide rectifiers for telephone equipment. He holds 8 patents. Since 1930 he teaches at the Leningrad Institute of Electromechanics (Leningradskiy elektromekhanicheskiy institut) and then at the Leningrad Institute of Electrical Engineering (Leningradskiy elektrotekhnicheskiy institut). From 1935 onwards he works at the Leningrad Polytechnical Institute (Leningradskiy

Card 1/2

Professor V.T.Renne. To His 50th Birthday

SOV/ 105-58-7-28/32

politekhnicheskiy institut) department of electric insulation and cable engineering, where he has a full-time job since 1939. He organized a laboratory for electric technology and electric condensers and published several manuals. In 1938 - Docent, in 1939 - Candidate of Technical Sciences, in 1951 - Doctor of Technical Sciences, in 1952 - Professor. He published more then 140 papers on electric insulation, electric technology, and condenser design. He maintains close relations with industry and scientific research institutes. He advises them and carries out scientific work together with them. For a number of years he was secretary in the Section of Electric Insulation at the VNITOE and is at present Member of the Bureau of Electric Insulation at the Ts-ENTOEP. He is the scientific head of the Scientific Society of Students at the Faculty of Electromechanics of the Leningrad Polytechnical Institute (LPI). There is 1 photograph.

1. Electrical engineering--USSR

Card 2/2

KOSTENKO, M.P.; ALEKSEYEV, A.Ye.; LYUTER, R.A.; ZAVALISHIN, D.A.; GHEDIN, L.P.; BRITSIN, M.L.

Leonid Nikolaevich Gruzov; obituary. Elektrichestvo no.7:93 Jl '58. (Gruzov, Leonid Nikolaevich, 1905-1957) (MIRA 11:8)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000825210013-9"

KOSTENKO, M. P.

BOBROV, V.M.; VORONOV, A.A.; GLEBOV, I.A.; IVANOV, V.I.; KARPOV, G.V.;

KASHTELYAN, V.Ye.; SEMENOV, V.V.; SIROTKO, V.K.; SIRYY, N.S.;

SUKHANOV, L.A.; URUSOV, I.D.; FETISOV, V.V.; FOMINA, Ye.N.;

KOSTENKO, M.P., akademik, red.; DOLMATOV, P.S., red.izd-va;

SMIRNOVA, A.V., tekhn.red.

[Electrodynamic modeling of power engineering systems] Elektrodinamicheskoe modelirovanie energeticheskikh sistem. Pod red. M.P.Kostenko. Moskva, 1959. 406 p. (MIRA 13:2)

1. Akademiya nauk SSSR. Institut elektromekhaniki. (Electric networks--Electromechanical analogies)

RAZOVSKIY, Ie. Ia. (Leningrad); ROSTENKO, M.P. (Leningrad)

Present day methods for the investigation of transitional processes in a.c. electric machines. Inv. AN SSSR. Otd.tekh.nauk. Energ. 1

(Electric machines)

(Electric machines)

ਰ(0), 28(1)

SOV/30-59-7-4/50

AUTHOR:

Kostenko, M. P., Academician

TITLE:

Comprehensive Research Program in the Field of Electromechanics (Bol'shaya programma issledovaniy po elektromekhanike)

PERIODICAL:

Vestnik Akademii nauk SSSR, 1959, Nr 7, pp 27-33 (USSR)

ABSTRACT:

The Institut elektromekhaniki Akademii nauk SSSR (Institute of Electromechanics of the Academy of Sciences of the USSR) is equipped with modern facilitations for conducting investigations in connection with the further development of power engineering by means of models. At present it is mainly planned to establish heat-generating stations which will again involve new problems. The institute carries out its work in collaboration with works for the construction of electric machinery, design organizations, and the Vsesoyuznyy elektrotekhnicheskiy institut im.

V. I. Lenina (All-Union Institute for Electrotechnology imeni V. I. Lenin). The investigations of the common work with regard to gigantic transmissions of DC and AC shall be carried out by means of the electrodynamic model of the Institute of Electromechanics as well as by the use of the model for the transmission of DC of the leningradskaya laboratoriya Energeticheskogo

Card 1/3

SOV/30-59-7-4/50

Comprehensive Research Program in the Field of Electromechanics

instituta im. G. M. Krzhizhanovskogo (Leningrad Laboratory of the Institute of Power Engineering imeni G. M. Krzhizhanovskiy). Problems in the field of relay protection of energy systems can be solved by using semiconductor elements. In connection with the future development of uniform energy systems in the European part of the USSR and Central Siberia as well as with the connected energy systems of the Northwest and West of Transcaucasia. Kazakhstan, and (Soviet) Central Asia, the development of control methods for these energy systems is of great importance. Remote control is frequently applied in power engineering. The Institute of Electromechanics is working out new measuring devices for automatic control systems, for the production of which contactless magnetic elements, ferrites, transistors, and semiconductor diodes are used. Investigations in the field of remote measurements have already been started. For the purpose of developing the theory and technology of automatic control, the so-called self-adjusting systems are continuously gaining importance. The group for electric welding equipment of the Institute of Electromechanics is going to carry out investigations within the Seven-year Plan in the field of mechanization and

Card 2/3

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000825210013-9"

sov/30-59-7-4/50

Comprehensive Research Program in the Field of Electromechanics

automation of contact machines for electric welding. The Institute is also working at the development of systems for the automatic control of astronomical instruments as well as at the solution of problems connected with the electrification of railroads.

Card 3/3

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000825210013-9"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000825210013-9

8 (0) AUTHORS:	Kostenko, M. P., Kulebakin, V. S., SOV/105-59-11-27/32 Traneznikov, V. A., Venikov, V. A., Goloban, A. T., Morozov, D. P., Svromyatnikov, I. A. Drozdov, N. G., Petrov, I. I., Basharin, A. V., Sokolov, M. M., and others
TITLE:	Professor M. G. Chilikin. On His 50th Birthday and His 25th Year of Scientific, Engineering, and Pedagogical Activity
PERIODICAL:	Elektrichestvo, 1959, Nr 11, p 91 (USSR)
ABSTRACT:	Professor Mikhail Grigor'yevich Chilikin is Director of the Moskovskiy ordena Lenina energeticheskiy Institut (Moscow Order of Lenin Institute of Power Engineering) and a specialist in
Card 1/2	the field of electric drive Professor M. G. Chilikin wrote his dissertation for his application as Candidate of Technical Sciences in 1938, in 1951 he was appointed professor and in 1954 he obtained the degree of a Doctor of Technical Sciences. Since 1951 he has taught at the Kafedra "Elektro-oborudovaniye promyshlennykh predpriyatiy" (Chair for Electrical Equipment of Industrial Enterprises) of MEI. He held lectures on electric drives and dealt with the construction of electric drive systems. In 1952 he became head of the aforementioned institute. He issued ninety papers on teaching

Professor M. G. Chilikin. On His 50th Birthday and SOV/105-59-11-27/32 His 25th Year of Scientific, Engineering, and Pedagogical Activity

methods in universities, on scientific problems of electric drives and electrification. His books are well known among workers and university students. M. G. Chilikin is President of the Nauchno-tekhnicheskiy komitet po avtomatizirovannomu elektroprivodu i primeneniyu elektricheskikh mashin (Scientific and Technical Committee for Automated Electric Drives and the Use of Electrical Machines), President of the sektsiya energovooruzheniya Tekhsoveta Gosplana SSSR (Section for the Energy Equipment of the Technical Council of the Gosplan USSR), Member of the Editorial Council of the Gosenergoizdat (State Power Engineering Publishing House), Member of the Board of Editors of the periodical "Elektrichestvo". He was a member of the Plenum of a rayon Committee of the CPSU, and four times delegate in the Mossovet (Moscow Soviet). He received the Order of the Red Banner of Labor and other awards. There is 1 figure.

Card 2/2

KOSTANKO, M.P., akademik, otv.red.; SOROKIN, I.P., red.izd-va;
DOROKHINA, I.W., tekhn.red.

[Electrification of railroads with stepped-up a.c. of commercial frequency; papers submitted to the conference on science and technology] Elektrifikatsiis transports na peremennom toke promyshlennoi chastoty povyshennogo napriasheniis; trudy nauchnotekhnicheskoi konferentsii. Moskva, 1960. 135 p.

(MIRA 14:2)

1. Akademiya nauk SSSR. Institut kompleksnykh transportnykh problem.

(Railroads--Electrification)

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000825210013-9

KOSTENKO, M. P., NEYMAN, L. R., SOVALOV, S. A., SOKOLOV, N. I., VENIKOV, V. A., GERTSENBERG, Grigoriy R.,

"Excitation control of synchronous machines in power systems of the Soviet Union" report to be submitted for Intl. Conference on Large Electric Systems (CIGRE),

18th Biennial Session, Paris, France, 15-25 Jun 60.

KAZOVSKIY, Ye.Ya. (Leningrad); KOSTENKO, M.P. (Leningrad); PAN TSZI (Leningrad); SE GO-LYAN, (Leningrad)

Use of new methods in the experimental study of parameters of a synchronous machine. Izv. AN SSSR. Otd. tekh.nauk. Energ. i avtom. no.4:3:-16 J1-Ag '60. (MIRA 13:8)

(Electric machinery, Synchronous)

KAZOVSKIY, Ye.Ya.(Leningrad); KOSTENKO, M.P.(Leningrad); SE GO LYA [Hsieh Kuo-liang] (Leningrad)

Experimental study of electromagnetic parameters of a synchronous machine with two phases of the stator winding fed with d.c. current. Izv.AN SSSR. Otd.tekh.nauk. Energ. i avtom. no.5:28-32 S-0 '60. (MIRA 13:11)

(Electric machinery, Synchronous)

\$/105/60/000/05/25/028 B007/B008

AUTHORS:

Andrianov, V.N., Astakhov, N.V., Gubenko, T.P., Kostenko, M.P., Larionov, A.N., Lopukhina, Ye.M., Petrov, G.N., Somikhina, G.S.,

Yuferov, F.M., Chilikin, M.G.

TITLE:

Yu.S. Chechet, (Deceased)

PERIODICAL: Elektrichestvo, 1960, No. 5, p. 89

TEXT: Yuriy Sergeyevich Chechet, Professor at the Moskovskiy energeticheskiy institut (Moscow Institute of Power Engineering), scientist and pedagogue, and an expert in the field of electrical micromachines, died on February 26, 1960. He was born on February 2, 1894. He studied at the mekhanicheskiy fakul tet Kiyevskogo politekhnicheskogo instituta (Department of Mechanics at the Kiyev Polytechnic Institute) from 1913 to 1919. From 1919 teaching activity in Odessa and in Moscow. In 1923 he graduated from the elektrotekhnicheskiy fakul'tet Moskovskogo vysshego tekhnicheskogo uchilishcha (Department of Electrical Engineering at the Moscow Higher Technical School). He published about 40 scientific studies. From 1931-1942 Director of the kafedra elektricheskikh mashin (Chair for Electrical Machines) at the Moskovskiy institut

Card 1/2

Yu.S. Chechet (Deceased)

8/105/60/000/05/25/028 B007/B0C8

mekhanizatsii i elektrifikatsii sel'skogo khozyaystva (Moscow Institute of the Mechanization and Electrification of Agriculture). From 1942 until his death he was Professor at the kafedra elektricheskikh mashin Moskovskogo energeticheskogo instituta (Chair for Electrical Machines at the Moscow Institute of Power Engineering). At the same time he directed a chair at the Voyenno-inzbenernaya Krasnoznamennaya akademiya im. Kuybysheva (Military "Red Banner" Engineering Academy imeni Kuybyshev) for a number of years. He took his doctor's degree in 1940. He wrote his dissertation on "Theoretical Principles for the Designing of Universal Micromotors" ("Teoreticheskiye osnovy proyektirovaniya universal'nykh mikrodvigateley."). He was a Deputy of the Mossovet (Moscow Soviet of Workers' Deputies) and holder of the Order of Lenin and a number of medals, as well as Chairman of the Section Electrical Machines of the MONITOE. There is 1 figure.

Card 2/2

KOSTREKO, M.P. (Leningred)

Production of large electric machinery and transformers is the basis for the development of electric power and electrification. Isv. All SSSR. Otd. tekh. mauk. Energ. 1 avtom. no.6:10-14 M-D '60. (MIRA 13:12)

> (Electric power) (Electric mchinery)

KOSTENKO, M.P., akademik; KAZOVSKIY, Ye.Ya., kand.tekhn.nauk;

IMNILEVICH, Ya.B., insh.

Experimental study of new methods for determining the parameters of a.c. machines. Elektrichestvo no.6:14-16 Je **160.

Institut elektromekhaniki AN SSSR.
 (Electric machinery—Alternating current)

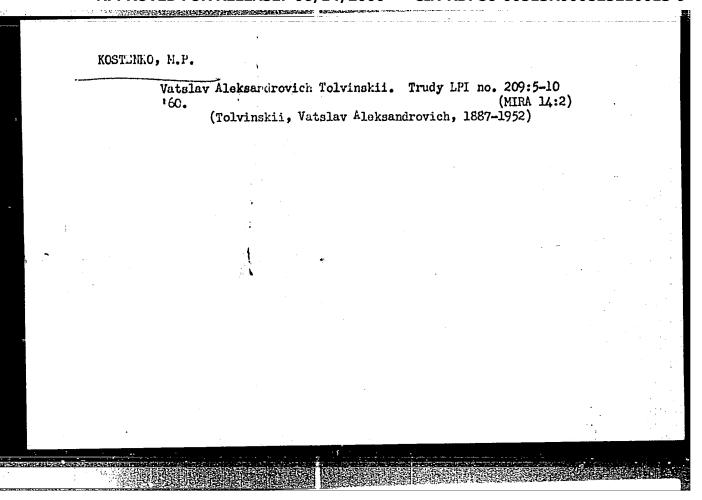
KAZOVSKIY, Ye.Ya. (Leningrad), KOSTERKO, M.P. (Leningrad), PAN' TSZI [P'an Chi] (Leningrad)

Use of new methods for the experimental determination of the electromagnetic parameters of an asynchronous machine. Isv. AN SSSR.

Otd. tekh. nsuk. Energ. i avtom. no.6:86-91 N-D '60. (MIRA 13:12)

(Electric motors, Induction)

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000825210013-9



VENIKOV, V.A., doktor tekhn.nauk; GERTSENBIRG, G.R., kand.tekhn.nauk;

KOSTEUKO, M.P., akademik; HEYMAN, L.R.; SOVALOV, S.A., kand.tekhn.

nauk; SOKOLOV, N.I., kand.tekh.nauk

Strong regulation in electric systems. Elek.sta, 31 no.6:43-49
Je '60. (MIRA 13:7)

1. AN SSSR (for Kostenko). 2. Chlen-korrespondent AN SSSR (for Neyman).

(Electric power distribution)

(Voltage regulators)

KOSTENKO M.P., akad., red.; ALEKSEYEVA, A.Ye., red.; DENISOV, G.A., red. izd-va; ZAMARAYEVA, R.A., tekhm. red.

[Problems of modern rolling stock of electric railroads] Voprosy sovremennogo elektropodvizhnogo sostava. Moskva, Izd-vo Akad. nauk SSSR, 1961. 191 p. (MIRA 14:11)

1. Akademiya nauk SSSR. Institut elektromekhaniki. 2. Chlenkorrespondent AN SSSR (for Alekseyeva) (Electric locomotives) (Diesel locomotives)

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000825210013-9

Research on the manufacture of heavy electric machinery. Shor. rab. po vop. elektromekh. no.6:187-200 '61. (MIRA 14:9) (Electric machinery)

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000825210013-9

KOSTENKO, M.P., akadoruk; taleov, I.D. Scientific problems in the large-scale ramufacture of electric equipment. Vest. All 350R 31 no. 2:37-43 F '61. (MIRA 14:2)

(alactric machinery industry)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000825210013-9"

SISAKYAN, N.M., akademik; MINTS, I.I., akademik; SATPAYEV, K.I.; akademik; FRUNKIN, A.N., akademik; SHEMYAKIN, M.M., akademik; SOBOLEV, S.L., akademik; SHULEYKIN, V.V., akademik; BITSADZE, A.V.; MEL'NIKOV, N.V.; KHOVSTOV, V.M.; ROMASHKIN, P.S.; ABDULLAYEV, Kh.M.; DADYKIN, V.P., doktor biol.nauk; OBOLENTSEV, R.D., doktor khim.nauk; PONOMAREV, B.N.; BLAGONRAVOV, A.A., akademik; ARTSIMOVICH, L.A., akademik; KOSTENKO, M.P., akademik; NALIVKIN, D.V., akademik

Discussion of the report. Vest.AN SSSR 31 no.3:27-47 Mr '61. (MIRA 14:3)

1. AN Kazakhskoy SSSR (for Satpayev). 2. Chleny-korrespondenty AN SSSR (for Bitsadze, Mel'nikov, Khvostov, Romashkin, Abdullayev, Ponomarev).

(Research)

KOSTENKO, M.P., akademik

Twenty-fifth anniversary of the founding of the Indian National Institute of Sciences. Vest-AN SSSR 31 no.6:81-82 Je '61. (MIRA 14:6)

(India-Learned institutions and societies)

THE PROPERTY OF THE PROPERTY O

KOSTENKO, M.P., KAZOVSKIY, YE.YA., KARPOV, G.V.,

"Determination of large hydro-generator constants."

Report to be submitted for the 19th Biennial Session, Intl. Conf. on Large Electric Systems(CIGHE), Paris, France, 16-26 May 162.

All Scientists Are members of the Inst. of Electromechanics, AS USSR.

KOSTENKO, M.P., AKOPYAN, A.A., LEVINSHTEYN, M. L., LYSKOV, YU.I. ROKOTYAN, S. S., FOTIN, V.P., SHUR, S.S.

"E.H.V. line internal overvoltages and measures for their limiting."

Report to be submitted for the 19th Biennial Session, Intl. Conference on large electric systems (cigre), Paris, France, 16-26 May 62.

AKOPYAN, All-Union Elect. Engineering Inst. im V.I. Lenin, Moscow KOSTENKO, AS, USSR, Inst. Electromechanics LEVINSHTEYN, Leningrad Polytechinal Inst. im M.I. Kalinin LYSKOV, All-Union Scientific Research Planning Inst. Thermoelectric Indust. ROKOTYAN, Dept. Long Distance Power Transmission, All-Union Inst. Planning Steam-Electric Stations, Substations and Furnaces FOTIN, All-Union Elect. Engineering Inst. im V.I. Lenin, Moscow SHUR, Scientific Reasearch Inst. of Direct Current, Leningrad

KAZOVSKIY, Yefim Yakovlevich; KOSTENKO, M.P., akademik, otv. red.;

BARKOVSKIY, I.V., red. izd-va; VINOGRADOVA, N.F., tekhm.

red.

[Transient processes in a.c. machinery] Perekhodnye protsessy
v elektricheskikh mashinakh peremennogo toka. Moskva, Izd-vo
v elektricheskikh mashinakh peremennogo toka. (MIRA 15:4)

Akad. nauk SSSR, 1962. 624 p.

(Electric machinery—Alternating current)
(Transients (Electricity))

KOSTENKO, M.P.; SIUHOV, N.S.; KAZOVSKIY, Ye.Ya.; MIKLYAYEV, M.S.

Use of a frequency method for determining the starting characteristics of synchronous motors. Izv. AN SSSR. Otd. tekh. nauk. Energ. i avtom. no.1:63-69 Ja-F '62. (MIRA 15:3) (Electric motors, Synchronous)

SYROMYATNIKOV, I.A.; NEKRASOV, A.M.; LEHEDEV, A.A.; KOSTENKO, M.P.;
NEYMAN, L.R.; VASIL'YEV, D.V.; KAMENSKIY, M.D.; USOV, S.V.;
POSSE, A.V.; UL'YANOV, S.A.; FAZYLOV, Kh.F.

Professor N.N. Shchedrin; on his seventieth birthday and fortieth anniversary of his educational work. Elektrichestvo no.1:94-95 Ja 162. (MIRA 14:12) (Shchedrin, Nikolai Nikolaevich, 1891-)

The leading role of electrification in the technological progress of the U.S.S.R. and problems of science. Izv.AN SSSR.Otd.tekh. nauk.Energ.i avtom. no.2:3-8 Mr-Ap '62. (MIRA 15:4) (Electrification)

GNEDIN, L.P. (Leningrad); KOSTENKO, M.P. (Leningrad)

Modification of induction system schematics of synchronous transmission. Isv. AN SSSR. Otd. tekh. nauk. Energ. i avtom. no.4:24-31 Jl-Ag '62. (MIRA 15:8)

(Servomechanisms)

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000825210013-9

KOSTENKO, M.P., akademik; MAMIKONYANTS, L.G., prof.; SYROMYATNIKOV, I.A., prof.

Session of Committee No.17 (Generators) of the International Conference on Large Electric Systems (CIGRE). Elektrichestvo no.6:86-89 Je '62. (MIRA 15:6)

(Turbogenerators—Congresses)
(Electric power plants—Congresses)

EESSONOV, L.A.; DOMANSKIY, B.I.; DROZDOV, N.G.; D'YACHENKO, N.Kh.;

ZHEKULIN, L.A.; ZAYTSEV, I.A.; ZALESSKIY, A.M.; KAMENSKIY, M.D.;

KOSTENKO, M.P.; IEBEDEV, A.A.; LOMONOSOV, V.Yu.; MITKEVICH, A.V.;

SMIRNOV, V.S.; TOISTOV, Yu.G.; USOV, S.V.; SHRAMKOV, Ye.G.

L.R. Neiman; on his 60th birthday and the 35th anniversary of his educational work. Elektrichestvo no.6:93-94 Je '62. (MIRA 15:6) (Neiman, Leonid Robertovich, 1902-)

KOSTENKO, M.P., akademik; NEYMAN, L.R.; GLINTERNIK, S.R., kand.tekhn.
nauk; KASHTELYAN, V.Ye., inzh.; NOVITSKIY, V.G., inzh.; SIRYY,
N.S., inzh.; GERTSENHERG, G.R., kand.tekhn.nauk

COLOGRACIONES CARRESTE SACRESTE CARRESTE CARRESTE CONTRACTOR DE CONTRACT

Automatic control and stability during parallel operation of the generators of an electric power plant feeding a.c. and d.c. power transmission lines. Elektrichestvo no.10:1-9 0 '62. (MIFA 15:12)

1. Institut elektromekhaniki AN SSSR (for Kostenko, Neyman, Glinternik, Kashtelyan, Novitskiy, Siryy). 2. Vsesoyuznyy elektrotekhnicheskiy institut (for Gertsenberg). 3. Chlenkorrespondent AN SSSR (for Neyman).

(Electric power distribution)

KOSTENKO, M.P., akademik (Leningrad); KAZOVSKIY, Ye.Ya., doktor tekh.nauk (Leningrad); VOLKOV, A.M., inzh. (Leningrad); PAN' TSZI, [P'an Chi], inzh. (Leningrad)

Methodology for determining the frequency characteristics of an a.c. machine. Elektrichestvo no.12:1-7 D 162. (MIRA 15:12) (Electric machinery—Alternating current)

ZALESSKIY, A.M.; ZILITINKEVICH, S.I.; KOSTENKO, M.P.; NEYMAN, L.R.

Vladimir Fedorovich Mitkevich; on the occasion of the 90th
anniversary of his birth. Izv.vys.ucheb.zav.; prib. 5 no.4;
(MTRA 15:9)
123-124 '62.

(Mitkevich, Vladimir Fedorovich, 1872-1951)

SHCHERBAKOV, D.I., akademik; FRUMKIN, A.N., akademik; KHACHATUROV, T.S.; VINOGRADOV, A.P., akademik; SOBOLEV, S.L., akademik; KOSTENKO, M.P., akademik; TOLSTOV, S.P.; SAZHIN, N.P.; KAZARNOVSKIY, I.A.; VVII, B.M.; TROFIMUK, A.A., akademik

Discussion of the annual report. Vest. AN SSSR 33 no.3:25-34 Mr '63. (MIRA 16:3)

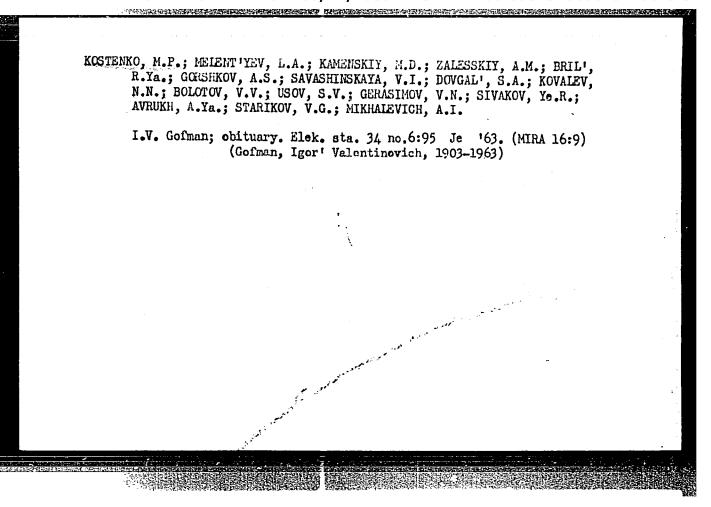
1. Chleny-korrespondenty AN SSSR (for Khachaturov, Tolstov, Sazhin, Kazarnovskiy, Vul).

(Academy of Sciences of the U.S.S.R.)

KOSTENKO, M.P., akademik

Development of power engineering and modern science. Vest.
AN SSSR 33 no.5:20-23 My 163. (MIRA 16:6)

(Power engineering)



KOSTENKO, M.P., akademik (Leningrad); DEMBO, A.R., kand. tekhn. nauk (Leningrad); PRUSS-ZHUKOVSKIY, V.V., inzh. (Leningrad)

The basis for solving the problem of future locomotives is the railway motor. Zhel. dor. transp. 45 no.6:60-65 \$\infty\$ 163. (MIRA 16:7)

(Railroad research)

(Electric railway motors)

ROSTENKO, M.P. (Leningrad)

Pressing problems in the electrification of means of transportation. Izv. AN SSSR. Energ. i transp. no.5:599-604
S-0 163. (MIRA 16:11)

IVANOV, N. P.; KOSTENKO, M. P.; KAZOVSKIY, E. I.; STANISLAVSKIY, L. I.; POTEKHIN, K. F.

"Large Modern Highly Utilized Turbine and Waterwheel Generators, Their Cooling Systems, Characteristics and Parameters."

Large report submitted for Intl Conf on/Electric Systems, 20th Biennial Session, Paris, 1-10 Jun 64.

KOSTENKO, Mikhail Poliveyktovich, akademik; PICTROVSKTY, Lyudvik
Mar'yanovich; CHECHET, Yu.S., prof., retsenzent;
USSER, A.S. kand. tekhn. nauk, red.: VCL'DEK, A.I.,
doktor tekhn. nauk, red.; PRUSS-ZHUKOVSKIY, V.V., nauchm.
red.; ALEKSEYEVA, Ye.A., red.

[Electrical machinery] Elektricheskie mashiny. 12d.2., Moskva, Energiia. Pt.1. 1964. 547 p. (NIRA 18:1)

KOSTENKO, M.P., akademik

Work of the Institute of Electromechanics in the field of large electric machinery manufacture. Elektrotekhnika 35 no.1:16-18 Ja 164. (MIRA 17:2)

1. Direktor Instituta elektromekhaniki AN SSSR.

KOSTENKO, M.P., akademik

Scientific engineering problems in the field of electric power engineering: Vest. AN SSSR 34 no.11:20-27 N 164.

(MIRA 17:12)

KOSTENKO, Mikhail Poliyevktovich; PIOTROVSKIY, Lyudvik Marianovich; ANEMPODISTOV, V.P., nauchn. red.; ALEKSEYEVA, Ye.A., red.

> [Electrical machines] Elektricheskie mashiny. Moskva, Energiia. Pt.2. 1965. 703 p. (MIRA 18:11)

SMIRNOV, V.S.; KOSTENKO, M.P.; NEYMAN, L.R.; KOSTENKO, M.V.; DOMANSKIY, B.I.; ZALESSKIY, A.M.; USOV, S.V.; AYZENBERG, B.L.; DUBINSKIY, L.A.; ALEKSANDROV, G.N.; GRIBOV, A.N.; GRUZDEV, I.A.; LEVINSHTEYN, M.L.; MIKIRTICHEV, A.A.; MIKHAYLOVA, V.I.; RUZIN, Ya.L.; STEFANOV, K.S.; KHOBERG, V.A.; SHCHERBACHEV, O.V.

M.D. Kamenskii; on his 80th birthday. Izv. vys. ucheb. 2av.; energ. 8 no.7:130-131 Jl '65. (MIRA 18:9)

ALEKSENKO, G.V.; BIRYUKOV, V.G.; BORISENKO, N.I.; BORUSHKO, V.S.; KOVALEV, N.N.;

KOSTENKO, M.P.; OBOLENSKIY, N.A.; PETROV, G.N.; ROZANOV, A.A.;

SKIDANENKO, I.T.; TIMOFEYEV, P.V.; CHILIKIN, M.G.; SHEREMET'YEVSKIY, N.N.

Professor Andronik Gevondovich Iosif'ian, 1905-; on him 60th
birthday. Elektrichestvo no.9:88 S 165.

(MIRA 18:10)

AND STATE OF THE S

KOSTENKO, M.P., akademik; GNEDIN, L.P., doktor tekhn. nauk

Electrical machines with low power rating. Elektrotekhnika 36 no.8:1-3 Ag *65. (MIRA 18:9)

KOSTENKO, M.P., akademik; LYUTER, R.A., doktor tekhn.nauk; KAZOVEKIY, Ye.Ya., doktor tekhn.nauk; prof.; IVANOV, N.P., kand. tektn.nauk

Conditions governing the use of nonsynchronous cutting—in electric power systems. Elektrichestvo no.12:77.-78 D 65.

(MIRA 18:12)

ATABEKOV, G.I.; BELOUSOV, M.M.; BULGAKOV, K.V.; VASIL'YEV, D.V.;

YEGIZAROV, I.V.; ZAKHAROV, S.N.; ZEYLIDZON, Ye.D.; KOSTENKO, M.P.;

MANOYLOV, V.Ye.; MARNEVSKIY, B.I.; RYZHOV, P.I.; SOLOV'YEV, I.I.;

SYROMYATNIKOV, I.A.; FABRIKANT, V.L.; CHERNIN, A.B.; CHERNGBROVOV,

N.V.; FEDOSEYEV, A.M.; SHABADASH, B.I.; SHCHEDRIN, N.N.;

FATEYEV, A.V.

THE PROPERTY OF THE PROPERTY O

Viktor Ivanovich Ivanov, 1900-1964; an obituary. Elektrichestvo no.11:89 N '64. (MIRA 18:2)

ATABEKOV, G.I.; BASHARIN, A.V.; BOGORODITSKIY. N.P.; BULGAKOV, K.V.;

VASIL'YEV, D.V.; YEGIAZAROV, I.V.; YERWOLIN, N.P.; KOSTENKO, M.P.;

MATKHANOV, P.N.; NOVASH, V.I.; NORNEVSKIY, B.I.; RUTSKIY, A.I.;

RYZHOV, P.I.; SOLOV'YEV, I.I.; SOLONIKOV, G.S.; SIEPYAN, YA.Yu.;

SMHROVA. N.V.; TINYAKOV, N.A.; FATEYEV, A.V.; FEDOSEYEV, A.M.;

SHABADASH B.I.; SHCHEDFIN, N.N.

Viktor Ivanovich Ivanov, 1900-1964; obituary. Izv. vys. ucheb.

zav.; energ. 8 no.1:122-123 Ja '65.

(MIRA 18:2)

VOL'DEK, A.I.: DOMANSKIY, B.I.; DRANNIKOV, V.S.; ZALESSKIY, A.M.;

KAMENSKIY, M.K.; KANTAN, V.V.; KASHKAROV, G.Ye.; KIZEVETTER, Ye.I.;

KLIMOV, A.N.; KOVALEV, N.N.; KOSTENKO, M.P.; KOSTENKO, M.V.;

NEYMAN, L.R.; PAVLOV, G.M.; RAVDONIK, V.S.; RUZIN, Ya.L.;

SIDOROV, M.M.; SHRAMKOV, Ye.G.

以此处的最后的最后的各种的最后的大型的最后的的一种的一种,这种的现在是一种的一种的一种,可以不是一种的一种的一种,可以不是一种的一种,可以不是一种的一种,可以不

Professor Sergei Vasil'evich Usov, 1905-; on his 60th birthday. Elektrichestvo no.11:86 N '65. (MIRA 18:11)

ACC NR: AP6012968 SOURCE CODE: UR/0143/65/000/007/0130/0131 AUTHOR: Smirnov, V. S.; Kostenko, M. P.; Neyman, L. R.; Kostenko, M. V.; Domanskiy, B. I.; Zalesskiy, A. M.; Usov, S. V.; Ayzenberg, B. L.; Dubinskiy, L. A.; Aleksandrov, G. N.; Gribov, A. N.; Gruzdev, I. A.; Levinshteyn, M. L.; Mikirtichev, A. A.; Mikhaylova, V. I.; Ruzin, Ya. L.; Stefanov, K. S.; Khoberg, V. A.; Shcherbachev, O. V. ORG: none TITLE: Honoring the 80th birthday of Mikhail Davidovich Kamenskiy SOURCE: Izvestiya vysshikh uchebnykh zavedeniy. Energetika, no. 7, 1965, 130-131 TOPIC TAGS: electric power engineering, electric engineering personnel, hydroelectric power plant, thermoelectric power plant on 19 April 1965 Prof. Dr. Techn. Sci. Mikhail Davidovich Kamenskiy celebrated his 80th birthday and the 55th anniversary of his active work as a power expert. Mikhail Davidovich is a 1909 graduate of the Petersburg Polytechnic Institute - since his graduation he has been associated with this institue, now renamed Leningrad Polytechnic Institute, as an instructor. He is a major scientist and specialist in electric power grids and systems. He has been a major contributor to the establishment of the Leningrad Power Grid and various large thermal and hydro-Card 1/2

L 22149-66

ACC NR. AP6012968

electric power stations and an active participant in the design and construction of high- and low-voltage power systems in many cities of the Soviet Union. During the Siege of Leningrad in World War II he was a member of the Municipal Party Defense Committee. Since the war Mikhail Davidovich has been head of the Chair of Electric Power Grids and Systems at the Leningrad Polytechnic Institute and has been working on the methods of calculating the economic regimes of power system operation and on the problems of the present-day development of urban power systems. M.D. Kamenskiy has published more than 80 works, including both original studies as well as textbooks that are popular in the Soviet Union and abroad. He is the chairman of the Section on Power Systems and Grids under the Leningrad Division of the Scientific and Technical Division of the Power Industry and organizer of and participant in many scientific-technical conferences and meetings. His merits as an educator of a new school of Soviet power engineers are equally large. Orig. art. has: 1 figure. [JPRS]

SUB CODE: 10 / SUBM DATE: none

card 2/2dla

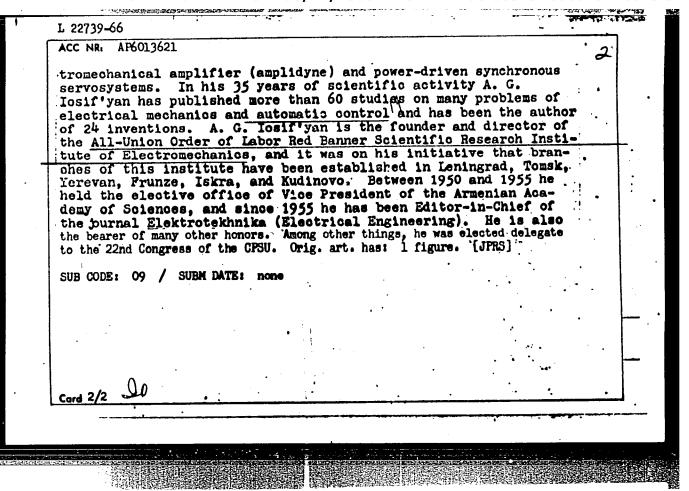
19409-65 SMT(4)/ULP(R)/SMF(1) ACC NR: 116013617 SOURCE CODE: UR/0105/65/000/011/0086/0086 AUTHOR: Vol'dek, A. I.; Domanskiy, B. I.; Drannikov, V. S.; Zalesskiy, A. M.; Kamenskiy M. K.; Kantan, V. V.; Kashkarov, G. Ye.; Kizevetter, Ye. I.; Klimov, A. N.; Kovalev, N. N.; Kostenko, M. P.; Kostenko, M. V.; Neyman, L. R.; Pavlov, G. M.; Ravdonik, V. S.; Ruzin, Ya. L.; Sidorov, M. M.; Shramkov, Ye. G. ORG: none 47 TITLE: Professor Sergey Vasil'yevich Usov, on his 60th birthday SOURCE: Elektrichestvo, no. 11, 1965, 86 TOPIC TAGS: academic personnel, electric engineering personnel, electric power plant ABSTRACT: The noted Soviet power specialist Professor S. V. USOV. who was 60 years old last September, graduated from the Leningradskij elektrotekhnicheskiy institut (Leningrad Electrotechnical Institute) in 1930 and then, for the next twenty years. worked for the Lenenergo power system of which he became chief engineer in 1939. During the blockade of Leningrad he was head of the group which in 45 days managed to connect the beleaguered city with the Volkhovskaya hydroelectric station across the frozen Ladoga lake. He also carried out the adaptation of the boilers of the Leningrad thermal power plant to consume the locally available fuel. In 1949 he became professor and head of the Department of Electric Stations : Card 1/2 UDC: 621.311.1

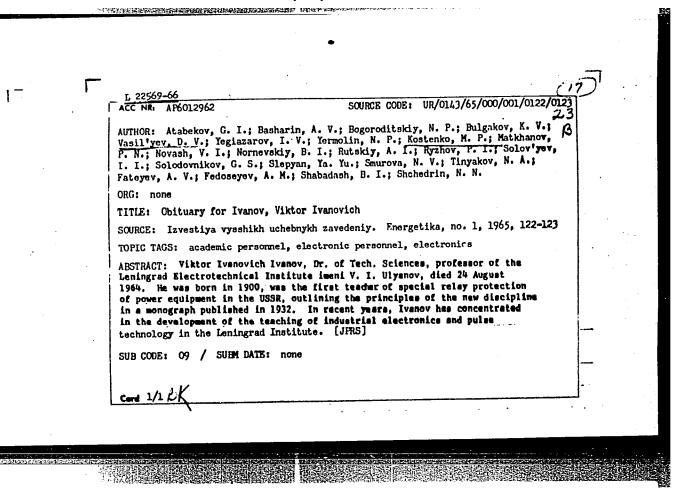
ACC NR. AP6013617

of the Leningradskiy politekhnicheskiy institut (Leningrad Polytechaic Institute) lm. Kalinin. In addition to his fruitful pedagogical endeavors, he published 50 scientific papers. From 1955 to 1958 he was a deputy director for scientific work. In 1964 he was elected Dean of the Electromechanical Faculty of the Electriches. He joined the Party in 1942; from 1943 to 1955 was deputy president of the central board of the NTOEP Nauchnotekhnicheskoye obshchestvo energeticheskoy promyshlennosti; Scientific Engineering Society of Power Industries, president of the section of power systems of NTOEP, and member of numerous scientific-engineering councils. For many years he was a member of the editorial board of the journal Elektricheskiye stantsil (Electric Stations). For his contributions in the field of power engineering S. V. USOV was awarded the Order of Lenin Order of Red Banner of Labor, Order of Red Star, Badge of Distinction, and the medals: "For the Defense of Leningrad" and "For Distinguished Service During the Patriotic War." Orig. art. has: 1 figure. [JPRS]

SUB CODE: 10 / SUBM DATE: none

ACC NR: AP	001)041	KOE CODE: ANOTONON CON	1 1
AUTHOR: Al Kovalev, N. Skidanenko,	N.; Kostenko, M. P.; Obolenskiy, N. T.; Timofeyev, P. V.; Chilikin,	risenko, N. I.; Borushko, V. A.; Petrov, G. N.; Rozanov M. G.; Sheremet vevskiy, N.	N. 2/
	oring the 60th birthday of Professo	or Andronik Gevondovich Iosif	'yan B
TOPIC TAGS	ektrichestvo, no. 9, 1965, 88 academic personnel, scientific portion, automatic control		
ABSTRACT: vict scie tion, Dr. Hero of: Tosif'ya: 1931-193 trol cir vented t to publi trol of	21 July 1965 was the 60th tentist in the field of electrication. Sci., Professor, Memberolanist Labor, Laureate of the developed the theory of the contactless selsyn. He wash studies of thyratron-based electrical machinery. During tion to the theory of electric by publishing studies on the	cer of the AS Armenian S the State Prize, A. G. one are numerous. Durin the combined synchronous ator. Subsequently, he s the first Soviet scien servosystems for the oc 1940-1945 he made a mag cal machinery and automs general theory of the el	SR, g con- in- itist on- itic leo- z
Cord 1/2		UDC: 621.3:65.0	11.56





L 02004-67 ACC NR. AM6023694 Monograph Kostenko, Mikhail Poliyevktovich; Piotrovskiy, Lyudvik Marianovich Electrical machines. pt. 2: A. C. machines (Elektricheskiye mashiny. ch. II: Mashiny peremennogo toka) 2d ed. Moscow, Izd-vo "Energiya", 65. 0703 p. illus., biblio., index. Textbook for students at higher technical institutes. 72,000 copies printed. TOPIC TAGS: electric motor, electric rotating equipment, electric generator, electric transformer PURPOSE AND COVERAGE: The fundamentals of the theory of dc and ac electrical machines are discussed in the book, the principles of their design are considered, and in analysis of their modes of operation is presented. The first part of the book is devoted to dc machines and transformers, the second part to synchronous machines and asynchronous and collector ac machines. The second edition of the book is supplemented with a number of examples of various types of electric machines and is provided with a bibliography on the most important problems. The book is a general course in electrical machines and is intended for students of power and electrical engineering schools. It can also be useful for electrical engineers working in the fields of the theory, research, production, and maintenance of electrical machines. TABLE OF CONTENTS /abridged/: Section 1 General problems of ac machines - - 11 Card 1/3 UDC:

L 02004-67 ACC NR. AM6023694 Ch. 1 Basic types of ac machines and their design - - 11 Ch. 2 Electromotive forces in the windings of ac machines - - 39 Ch. 3 Windings of ac electrical machines - - 56 Ch. 4 Magnetomotive force of ac windings - - 90 Ch. 5 Inductive reactances of ac machine windings - - 114 Ch. 6 Heating and cooling of rotary electrical machines - - 128 Ch. 7 Heating and cooling of transformers - - 156 Section 2 Synchronous machines - - 171 Ch. 8 Armature reaction in a synchronous machine with symmetric loading - - 171 Ch. 9 Voltage diagrams for three-phase synchronous generators with symmetric loading - - 192 Ch. 10 A single-phase synchronous generator - - 222 Ch. 11 Characteristics of a synchronous generator - - 227 Ch. 12 Parallel operation of synchronous machines - - 240 Ch. 13 A synchronous motor and synchronous compensator - - 269 Ch. 14 Asymmetric stable modes of operation of a three-phase synchronous generator - - 299 Ch. 15 Sudden short circuiting of a synchronous machine - - 323 Ch. 16 Vibrations of synchronous machines - - 365 Ch. 17 A single-armature converter - - 387 Section 3 Asynchronous machines - - 398 Ch. 18 A three-phase asynchronous machine with a fixed rotor - - 398 Ch. 19 A three-phase asynchronous machine with a rotary rotor - - 414 Ch. 20 Torques and rotary power of an asynchronous machine - - 435 Card 2/3

Card 3/3

KUSTENKU, M. S.

R-14 USSR/Human and Animal Physiology - Effect of Physical Factors.

Referat Zhur - Biologiya, No 16, 1957, 71263 Abs Jour

Kostenko, M.S., Neshchadimenko, I.P. Shkapina, B.A. Author

Inst : The Influence of Non-Ionizing Radiation on the Catalase Title and Hematological Indices in the Blood, in Animal and

Novocaine Anaesthesia.

: Pub: Zdravookhr. Belorussii, 1956, No 11, 51-52 Orig Pub

Abstract : The general clinical picture, activity of catalase and

> blood morphology of irradiated animals, subject to amital or novocaine anasthesia of the skin, of the back or belly, is the same as in irradiated control animals. In the development of radiation syndrome, at first there occured changes in the white (reduction of leucocytes began with lymphocytic decrease) and then red bloodcells. The earlier and stronger the leuco-neutro-, lymphocyte-, monocyte-, erythro- and reticulocytopenia, and also the

lowering of catalase activity occured, the larger was the - 160 - degree of radiation damage.

Card 1/1

PPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000825210013-9

Morphology of the blood under X-irradiation in cases of diminished function of the receptors. Vrach, delo no.3:293-294 Mr'58 (MIRA 11:5)

1. Kafedra patofiziologii (sav. - prof. I.P. Neshchadimenko) i kafedra rentgenologii i radiologii (zav. - dots. A.A. Smirnov) Smolenskogo meditsinskogo instituta.

(BLOOD CELLS) (X RAYS -- PHYS IOLOGICAL REFECT) (RECEPTORS (PHYSIOLOGY))

40663

27.1720

S/241/62/007/007/006/006 1015/1215

AUTHOR:

Kostenko, M. S.

TITLE:

Effect of specific hemolysins on dynamics of phagocytosis in peritoneal exsudate during

radiation sickness

PERIODICAL: Meditsinskaya radiologiya, v. 7, no. 7, 1962, 90-92

TEXT: Experiments were carried out on 85 guinea pigs weighing 300-500 g. The phagocytic index was determined by an intraperitoneal introduction of 5 ml of a sterile meat-peptone broth and, 24 hours later, by injection of 1 ml of a 5% suspension of hen's erythrocytes. After 40 min smears from the exsudate were prepared and stained by the Romanovsky-Gimsa method. Five-seven days later the animals were given 250-300 r and 350-400 r doses from a ΓУС-Co-400-1 (GUS-Co-400-1) unit. The phagocytic activity and phagocytic index were determined 1, 6-7, and 14 days, and 1-2 and 3 months after irradiation. The phagocytic index decreased in both the experimental and control animals but to a far larger extent in the former. Staphylococci reduced the phagocytic index less than did the erythrocytes. This is explained by the production of specific hemolysins to hen's erythrocytes in the guinea pigs, which destroy the RBC before their actual phagocytosis. This hypothesis was examined by the determination of the hemolysin titer in both irradiated and non-irradiated animals, which was 1:800 and 1:1000 in the former and 1:1200 and 1:1600 in the latter. A suppression of the hemolysin and antibody production was found in irradiated animals. There is 1 table.

d

Card 1/1

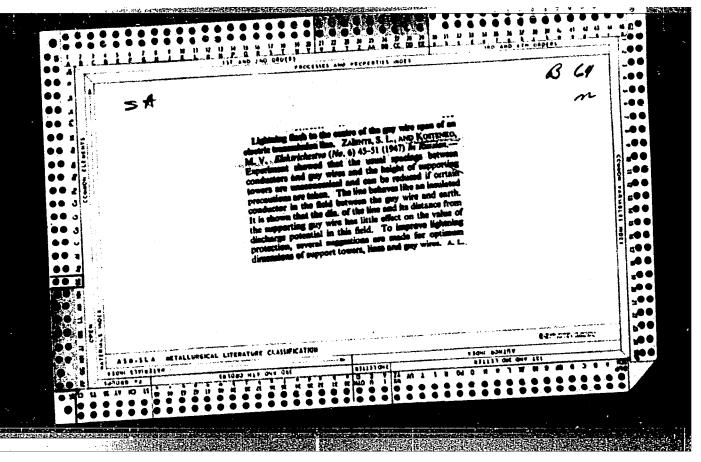
KOSTENKO, M.S. Effect of specific hemolysins on the dynamis of phagocytosis in peritoneal exudate during radiation sickness. Med.rad. 7 no.7: (MIRA 15:11) 90-92 11 162. (PHAGOCYTOS IS)

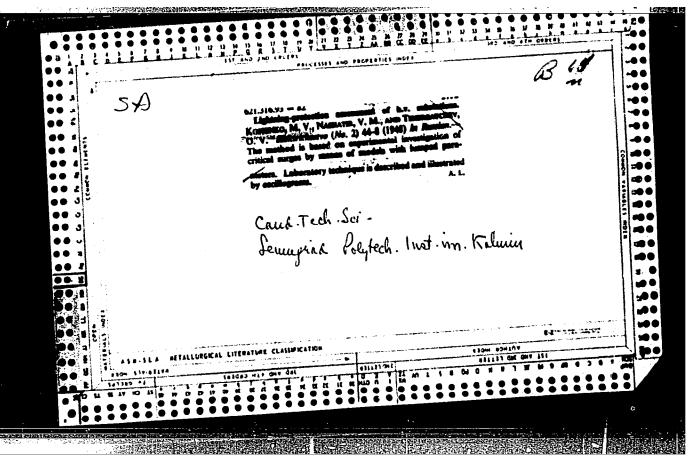
(RADIATION SICKNESS) (HEMOLYSIS AND HEMOLYSINS)

CIA-RDP86-00513R000825210013-9" APPROVED FOR RELEASE: 06/14/2000

KOSTENKO, Mikhail Poliyevktovich; GNEDIN, Leonid Pavlovich; DEMBO, A.R., otv. red.; KUZ'MINA, M.O., red.izd-va; SOROKINA, V.A., tekhn. red.

[Theory and design of three-phase collector machines and cascade systems] Teoriia i raschet trekhfaznykh kollektor-nykh mashin i kaskadnykh sistem. Moskva, Izd-vo "Nauka," 1964. 379 p. (MIRA 17:4)





"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000825210013-9

KOSTENKO, M. V.

Mar 1948

USSR/Electricity Circuits, Equivalent

"Reduction of Complex Circuits to Simplest Equivalent Systems," Prof A. A. Gorev, Dr. Tech Sci; docent M. V. Kostenko, Candidate Tech Sci, Leningrad Polytech Instimeni Kalinin, 4 pp

"Elektrichestvo" No 3

Describes transformation of polygon systems into equivalent stars and obtaining of formulas for such transformations. Explains transformation of complete rectangular network with arbitrary conductance into four-element star, and develops formulas to calculate such systems. Describes transformation of other complex polygon systems with arbitrary conductance into simple equivalent systems.

PA47T23

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000825210013-9

KOSTENKO, M. V.

Kostenko, M. V. "On the problem of the graphic integration of certain defferential equations," Trudy loning. politekhn. in-ta im. Kalinina, 1748, No. 3, p. 67-71.

SO: U-3736, 21 May 53, (Lotopis 'Zhurnal 'nykh 'tately, No. 18, 1949)

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000825210013-9

Kostenko, H. V.

Kostenko, M. V., Messerman, G. T., and Shcherbachev, O. V. "An analyzer for the lightning protective devices of electrical substations," Trudy Leningr. politekhn. in-ta im. Kalinina, 1948, No. 3, p. 141-53,

Bibliog: 8 items.

SO: U-3736, 21 May 53, (Letopis 'Zhurnal 'nykh Statey, no. 18 1949).

CIA-RDP86-00513R000825210013-9" APPROVED FOR RELEASE: 06/14/2000

KOSTENKO, M. V.

D-37 KOSTEIKO, M. V. Atmosfernyye perenapryazheniya i grozozashchita vysokovol'tnykh ustanokov (Atmospheric overvoltages and lightning protection of high voltage installations). Moscow, Gosenergoizdat, 1949. 330p. DLC TK31hh.K67; OUNF No. 202-H.

Some of the subjects in this book are: Principles of wave processes in electrical lines, substantions, and windings; development of atmospheric overvoltages in high voltage installations; methods of appraising the safty of lightning protection, etc. (The book reflects the status of Soviet theory and of investigations carried out in Soviet laboratories).

KOSTENKO, M.V.

AID P - 602

Subject

: USSR/Electricity

Card 1/2

Pub. 27 - 6/35

Authors

Kostenko, M. V., Dr. of Tech. Sci., Polovoy, I. F., Kand. of Tech. Sci., Leningrad Polytechnic Institute im. Kalinin,

Sherentsis, A. N., Eng., Teploelektroproyekt

Title

Selection of the surge insulation level of 400-kv ap-

paratus and transformers

Periodical

Elektrichestvo, 8, 31-36, Ag 1954

Abstract

In 1949 the All-Union Electrotechnical Institute im.
Lenin (VEI) worked out "Instructions Concerning the
Insulation Level for Designing 400-kv AC Installations".
The VEI and the Leningrad Polytechnic Institute made
special tests on the lightning protection of 400-kv
substations. The importance of an uninterrupted operation of these installations was taken into consideration
as well as the low probability of surges coming into the
substation from the transmission lines with a high-level

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000825210013-9

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000825210013-9

KOSTENKO, M.V.

AID P - 3440

Sub ject

: USSR/Electricity

Card 1/2

Pub. 27 - 7/32

Author

: Kostenko, M. V., Doc. of Tech. Sci., Prof.

Title

: Effect of the earth surface on the mutual impedance

between overhead lines

Periodical

: Elektrichestvo, 29-34, 0 1955

Abstract

The author somewhat changes Carson's formulas for mutual impedance of ground return circuits Z_{12} and obtains approximate expressions. Errors in applying simplified formulas as compared with Carson's series and curves do not exceed 4 to 6%. On the basis of these expressions, the author obtains approximate computing equations for the mutual impedance Z_{12} between single-wire and the most representative multiwire transmission lines. For the approximate calculations of communication lines, the author presents simplified formulas for the modulus $|Z_{12}|$. The

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000825210013-9

KOSTENKO, M. V., MIKHAYLOV, M. I., and CHERNYAYEV, I. V.

Disturbing Effect from 3-phase power-transmission lines on telecommunication lines.

paper summitted for presentation at the Intl. Conf. on Large Electric Systems (CIGRE) 17th Biennial Session, Paris, France, 4-14 June 1958.

Electra, No. 30, Nov 57, periodical news letter issued by the CIGRE, Paris

KOSTENKO, M.V.

M.1-7. PHASE I POOK EXPLOITATION Politekhnicheskiy institut SOV/1130

- Tekhnika vysokikh napryazheniy (High-voltage Technique) Moscow, Gosenergoizdat, 1958. 664 p. (Series: Its Trudy, No. 195) 3,000 copies printed.
- Eds.: Kostenko, M.V., Doctor of Technical Sciences, Professor: Pal', Ye.A.; Tech. Ed.: Voronetskaya. L.V.; Reso. Ed. of Series: Smirnov, V.S., Doctor of Technical Sciences, Frofessor.
- PURPOSE: This book is addressed to electrical engineers, specifically to those interested in the field of high-voltage technique.
- COVERAGE: This collection of articles sums up the principal results of investigations and studies made by Professor A.A. Horay, Doctor of Technical Sciences, and his staff in the field of high-voltage phenomena and techniques at LPI (Leningrad Polytechnic Institute). It was at this institute

Caril 1

ÄPPRÖVED FOR RELEASE: (06)14/2000 CIA-RDP86-00513R000825210013-9

that Professor Corev completed his higher scientific education and then taught and carried on his investigations in the field until his death in 1953. In 1956, by decree of the Minister of Higher Education, the high-voltage laboratory at LPI was named after A.A. Gorev. Numerous references appear throughout the book.

TABLE OF CONTENTS:

SECTION I. ALEKSANDR ALEKSANDROVICH GOREV

Kostenko, M.V. Life and Work of Aleksandr Aleksandrovich Gorev

Shehedrin, N.N. A.A. Gorev and Problems of Stability of Electrical Systems

6

Mirolyubov, N.N. In Memory of Aleksandr Aleksandrovich Gorev

Cord 2420

sov/105-58-10-20/28

AUTHOR: Kostenko, M.V., Professor, Doctor of

Technical Sciences

TITLE: Observations on the "Specifications for the Protection of

Communications and Signalling Equipment Against the Damaging Action of Heavy Current Power Transmission Lines" (Zamechaniya o "Pravilakh ograzhdeniya sooruzheniy svyazi i signalizatsii ot vrednogo day-

stviya ustanovok sil'nogo toka")

PERIODICAL: Elektrichestvo, 1958, Nr 10, pp 82-86 (USSR)

ABSTRACT: The remarks advanced in this paper may be summarized as follows:

1) In the specifications (Ref 1) a voltage of 500 V is declared permissible if no individual protective measures are provided for the linemen working on reinforced-concrete poles and wood poles. This limitation is in no way justified. 2) Nothing is found in the specifications on the possibility of the generation of voltage between the conductors of communication lines. These voltages (250 - 310 V) may prove to be insufficient for igniting the lightning arresters (Ref 3) and at the same time dangerous to a lineman. The installation of lightning arresters increases the probability of the occurrence of such voltages. 3) In order to be able to comply with the requirements set forth in the specifications, a great

Card 1/2

Observations on the "Specifications for the Protection SOV/105-58-10-20/28 of Communications and Signalling Equipment Against the Damaging Action of Heavy Current Power Transmission Lines"

number of lightning arresters with a small ground resistance must be installed. This feat, however, is mostly very difficult to achieve owing to grounds of a technical and economical nature, and owing to safety and reliability considerations. 4) An analysis of the maximum overvoltages occurring in communication lines incorporating lightning arresters of a general type, and the numerical interpretation of a case, which actually happened, demonstrated that the formulae and recommendations included in the specifications, in particular for multi-wire conductors, do not even guarantee a voltage not in excess of 500 V. 6) The paragraphs of the specifications concerning the protection of communication lines from dangerous influences of power lines are due to be drastically revisioned. There are 3 figures and 3 references, which are Soviet.

ASSOCIATION: Leningradskiy politekhnicheskiy institut imeni Kalinina (Leningrad Polytechnical Institute imeni Kalinin)

Card 2/2

KOSTENKO, M.V., prof., doktor tekhn.nauk; POLOVOY, I.F., kand.tekhn.nauk; PRCHENKIN, I.D., insh.

Lightning protection of substations on spur lines. Izv.vys.ucheb.zav.; energ. 2 no.10:1-7 0 '59. (MIRA 13:3)

1. Leningradskiy politekhnicheskiy institut imeni M.I. Kalinina. Predstavlena kafedroy tekhniki vysokogo napryazheniya. (Lightning protection) (Electric substations)

8(3) AUTHOR: 507/105-59-8-1/28

Kostenko, M. V., Professor, Doctor of Technical Sciences

TITLE:

Propagation of Sinusoidal Oscillations Along a Three-conductor Transmission Line With Conductors Arranged Horizontally

PERIODICAL: Elektrichestvo, 1959, Nr 8, pp 1 - 8 (USSR)

NEW WILLIAM STATE STATE

ABSTRACT:

This is an attempt to generalize the method of reference 2 of determining the propagation constants for a single-conductor line to a three-conductor line, using also error estimates from reference 2. The assumptions are: The conductors are cylindrical and run parallel to ground and parallel between themselves. The basic constants of the conductors are also invariable. No account is taken of leakage currents across the insulators. The current distribution in each conductor is axially symmetrical. By solving Maxwell's equations this method can be applied to the analysis of wave processes in n-conductor lines with different conductor diameters and different to-ground distances. The wave-channels and the propagation constants of a three-conductor line are investigated and formulas are derived specifying the currents and

Card 1/3

Propagation of Sinusoidal Oscillations Along a Three- SOV/105-59-8-1/28 conductor Transmission Line With Conductors Arranged Rorizontally

the propagation constants in these channels. In the sequel the wave resistances and the voltages on the lines are investigated. It is shown that for a three-conductor line there exist 6 linearly independent solutions. Every one satisfies Maxwell's equations and all boundary conditions at the interfaces conductor-air and air-ground. Every solution possesses its own propagation constant and a definite ratio between the corresponding current- and voltage components at the conductors of this line. Control calculations also showed that each of these solutions identically satisfies the telegraph equations for three-conductor lines with a horizontal arrangement of the wires. Hence the totality of these linearly independent particular solutions are simultaneously the general solution of the telegraph equations. The boundary conditions at the input and the delivery end of the line are investigated and formulas expressing them are written down. Finally, the influence of a transposition of the conductors of a line is investigated. The present article is the first attempt at investigating the wave propagation process along a multi-conductor line by solving the electromagnetic field

Card 2/3

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000825210013-9"

Propagation of Sinusoidal Oscillations Along a Three- SOV/105-59-8-1/28 conductor Transmission Line With Conductors Arranged Horizontally

equations without making recourse to the equations of equivalent circuit diagrams. The estimates presented show that if waves propagate in an unsymmetrical wave channel (0-channel) the errors will not exceed 10%, provided that

ως₃ 10⁹ ohm.m/sec. It is emphasized that these results must be better defined, in particular for waves propagating in symmetrical channels (a-channel and c-channel). There are 6 figures, 1 table, and 5 references, 3 of which are Soviet.

ASSOCIATION: Leningradskiy politekhnicheskiy institut im. Kalinina (Leningrad Polytechnic Institute imeni Kalinin)

SUBMITTED: January 9, 1959

Card 3/3

IVANITSKAYA, O.N., insh.; KOSTENKO, M.V., prof., doktor tekhn.nauk;
YURINOV, V.M., dotsent, kand.tekhn.nauk

Consideration of the end effect near the point of short circuit in connection with the calculation of the dangerous influence of electric transmission lines on communication lines.

Ity.vys.uchab.mav.; energ. 3 no.5:26-34 by *60.

(MIRA 13:6)

l. Leningradskiy politekhnicheskiy institut imeni M.I.Kalinina. Predstavlena kafedroy tekhniki vysokikh napryazheniy. (Blectric lines--Overhead)

20306 S/143/60/000/010/001/011 A189/A026

9.1300 (and 2303)

AUTHOR:

Kostenko, M. V., Doctor of Technical Sciences, Professor

Propagation of the sinusoidal electromagnetic waves along TITLE: a symmetric line

PERIODICAL: Energetika, no. 10, 1960, 1-13

The paper discusses the propagation of sinusoidal electromagne-TEXT: tic waves along a symmetric line containing n-conductors. The purpose is to derive a set of equations for the practical engineering calculations of the wave processes along the n-conductor line. The existing approximation methods do not include the influence of the specific earth resistance and individual line characteristics and thus, in some cases, lead to considerable errors. Based on the theoretical analysis of a multiconductor line without losses and a three-conductor line with losses the author divides all wave ducts of a multiconductor line into two groups: 1) an asymmetric duct (0-duct) and 2) all the remaining symmetric ducts (S-duct). He analyzes both groups and derives calculation formulas for propagation constants of these ducts, their wave impedances, the relations between the currents in

Card 1/3

20306 S/143/60/000/010/001/011 A189/A026

Propagation of the sinusoidal...

the conductors, and formulas to satisfy the limit conditions at the beginning and the end of the line. The average influence of earth losses for the 0-and S-ducts are calculated according to formulas and curves submitted by J. Carson, without taking into account the mutual and relative-to-earth asymmetry of the conductors. Based on the practical calculations, the author concludes that S-duct attenuation is by one order lower than that for 0-ducts for lines of higher voltage classes. To facilitate the engineering calculations, it is necessary to compile auxiliary curves or tables for the determination of differences between Carson functions at different relations between conductor heights, distances between them, frequency, and specific earth resistance. Engineering calculation formulas for inherent and mutual impedances, conductances, propagation constants, impedances introduced by the earth into the 0- and S-ducts, and the wave impedances are given in 6 appendices to the paper. There are 9 references: 7 Soviet and 2 English.

ASSOCIATION: Leningradskiy politekhnicheskiy institut imeni M. I. Kalinina (Leningrad Polytechnic im. M. I. Kalinin)

Card 2/3

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000825210013-9

20306 \$/143/60/000/010/001/011 A189/A026

Propagation of the sinusoidal...

PRESENTED:

Kafedra tekhniki vysokikh napryazheniy (Department of High-Volt-

age Engineering)

SUBMITTED: May 9, 1960.

Card 3/3

84358 \$/105/60/000/011/001/008 B012/B058

9,1400 AUTHOR:

Kostenko, M. V., Doctor of Technical Sciences, Professor

TITLE:

Propagation of Electromagnetic Waves Along Multiconductor

Lines

PERIODICAL: Elektrichestvo, 1960, No. 11, pp. 8 - 12

TEXT: A line with n conductors and constant parameters (μ = const, & = const, & = const, no corona) is investigated for every medium (air, conductor, ground). It is pointed out that it is very difficult to solve accurately the problem of the propagation of electromagnetic waves along multiconductor or even single conductor lines (Ref. 1). The following factors are therefore neglected: the "end effect" along the line, the "wave effect" transversal to the line, the "proximity effect", the discontinuities of the line, the longitudinal components of the displacement currents in the air, the transverse component of the electric field strength in the ground and in the lines. The wave processes occurring in a line with n conductors are thus expressed in first approximation by the telegraphic equations (1) and (2). Expressions for the conductor

Card 1/3

81,358

Propagation of Electromagnetic Waves Along S/105/60/000/011/001/008 Multiconductor Lines S/105/60/000/011/001/008

currents and their voltages to the ground are obtained as a solution of the telegraphic equations. As could be seen from numerical computations of real lines, the current ratios

 $\delta_{ks} = \frac{I_{ks}}{I_{1s}}$ are practically real and change only slightly as to their

absolute value. The conductor voltages to the ground are expressed by the sum of particular solutions: formula (13). It is shown that neither of the wave impedances we have conductor in the s-th wave channel in first approximation depend on the operator p and jw, respectively. Formula (16) is written down for the instantaneous value of the electromagnetic power transmitted along the line (Ref. 5). Formula (18) is the sum of P and Prs. Pg is the electromagnetic power transmitted in the s-th channel of the line with n conductors by the wave with the propagation factor yr. Pro is the electromagnetic power transmitted and pagation factor yr. Pro is the electromagnetic power transmitted to pagation factor yr. Pro is the electromagnetic power transmitted to pagation factor yr. Pro is the electromagnetic power transmitted to pagation factor yr. Pro is the electromagnetic power transmitted to pagation factor yr. Pro is the electromagnetic power transmitted to pagation factor yr. Pro is the electromagnetic power transmitted to pagation factor yr. Pro is the electromagnetic power transmitted to pagation factor yr. Pro is the electromagnetic power transmitted to pagation factor yr. Pro is the electromagnetic power transmitted to pagation factor yr. Pro is the electromagnetic power transmitted to pagation factor yr. Pro is the electromagnetic power transmitted to pagation factor yr. Pro is the electromagnetic power transmitted to pagation factor yr. Pro is the electromagnetic power transmitted to pagation factor yr. Pro is the electromagnetic power transmitted to pagation factor yr. Pro is the electromagnetic power transmitted to pagation factor yr. Pro is the electromagnetic power transmitted to pagation factor yr. Pro is the electromagnetic power transmitted to pagation factor yr. Pro is the electromagnetic power transmitted to pagation factor yr. Pro is the electromagnetic power transmitted to pagation factor yr. Pro is the electromagnetic power transmitted to pagation factor yr.

the s-th channel of the line with n conductors by the wave with the propagation factor γ_8 . P_{rs} is the electromagnetic power generated by the interaction between the electromagnetic fields of the r-th and s-th channel with the propagation factors γ_8 and γ_r , respectively. Formula (21) for P_{rs} is obtained in consideration of the above remarks

Card 2/3

X

KOSTENKO, M.V.; POLOVOY, I.F.; ROSENFEL'D, A.N.

Effect of lightning strokes which have bypassed the grounding wires on high-voltage power transmission lines. Elektrichestvo no.4:20-26 Ap '61. (MIRA 14:8)

1. Leningradskiy politekhnicheskiy institut imeni Kalinina, (Electric lines—Overhead) (Lightning protection)

KOSTENKO, M.V.; SIDEL'NIKOV, V.V.; ORLOV, V.N.

Parameters of high-frequency communication channels using overhead and cable electric power transmission lines. Sbor. rab. po vop. elektromekh. no.5:240-251 '61. (MIRA 14:6) (Radio lines) (Radio lines) (Telegraph lines)

KOSTENKO, H.V.

Deformation waves in a multiconductor line due to the resistance of the conductors and the earth. Elektrichestvo no.6:5-10 Je :61.

(MIRA 14:10)

(Electric lines) (Transients (Electricity))

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000825210013-9"

KOSTENKO, M.V., doktor tekhn.nauk, prof.

"Atmospheric overvoltages in electric power transmission lines.

Elektrichestvo no.8:91-92 kg '61. Reviewed by M.V. Kostenko.

(Electric lines—Overhead)

(Electric protection)

(Rasevig, D.V.)

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000825210013-9

ROSTENKO, M.V., doktor tekhn.nauk, prof.

Problem concerning super-high voltages. Izv. vys. ucheb. zav.; energ. 4 no.10:4-11 0 '61. (MIRA 14:11)

1. Leningradskiy politekhnicheskiy institut imeni M.I.Kalinina. Predstavlena kafedroy tekhniki vysokikh napryazheniy. (Electric power distribution-High tension) (Electric switchgear) (Electric protection)

SMIRNOV, V.S.; KAMENSKIY, M.D.; PODPORKIN, V.G.; DUKEL'SKIY, A.I.;

NETMAN, L.R.; ZALESSKIY, A.M.; KOSTENKO, M.V.; R.VDONIK, V.S.;

SHCHERBACHEV, O.V.; LOPATIN, I.A.; MAMONTOVA, A.N.; FILARETOV,

S.N.; KRYUKOV, K.P.; SINELOBOV, K.S.; BOSINYAKOVICH, A.D.;

BURGSDORF, V.V.; NOVGORODTSEV, B.P.; GOKHBERG, M.M.; STEPANOV, K.S.

Nikolai Pavlovich Vinogradov; obituary. Elektrichestvo no.lo:

91-92 0 '61.

(Vinogradov, Nikolai Pavlovich, 1886-1961)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000825210013-9"

KOSTENKO, M.V.; NEYMAN, L.R.; MELENT'YEV, L.A.; KAMENSKIY, M.D.; BOLOTOV, V.V.; ZALFSSKIY, A.M.; USOV, S.V.; SHCHEDRIN, N.N.; GERASIMOV, V.N.; DUBINSKIY, L.A.

B.L.Aizenberg; on his 60th birthday. Elektrichestvo no.11:94 N '62. (Aizenberg, Boris L'vovich, 1902-)

。 一种主义,是是一种主义,是一种主义,是一种主义,是一种主义,是一种主义,是一种主义,是一种主义,是一种主义,是一种主义,是一种主义,是一种主义,是一种主义,是

ALEKSAMDROV, G.M. (Leningrad); KOSTENKO, M.V. (Leningrad); POLOVOY, I.F. (Leningrad)

Problem concerning the prospective voltage step-up of overhead electric power transmission lines. Elektrichestvo no.ll:20-25 N 162. (MIRA 15:11)

1. Chlen-korrespondent AN SSSR (for Kostenko).
(Electric lines--Overhead) (Electric power distribution)